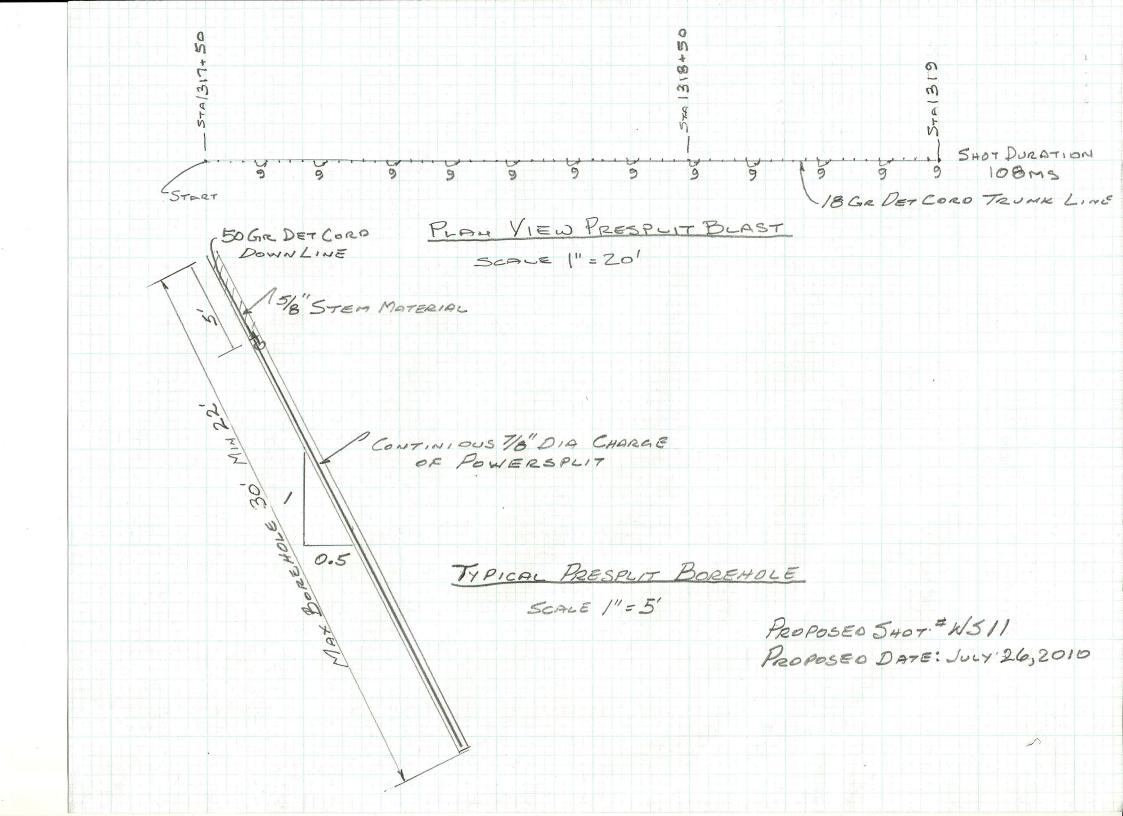
Sanders Construc	BLAST REPORT				BLAST REPORT # W5//		
all Januera Jonatius	tion, Inc.		Western States Drilling & Blasting, Inc.				
ATE: JULY 26	i v		EXACT TIME OF SHOT: 8:07PM				
CUSTOMER: KLB							
* 150 mm					-		
HOT LOCATION WITH GPS CO	ORDINATES:	31 17 33 -15	•				
	40		CHE	CK LIST COMPLETED:	YES NO		
YPE OF ROCK: BASE	4 ST	FACE HEIGHT: NA	FT. POUNI	OS PER DELAY:			
OTAL HOLES: 22	-	- + 62			5		
UMBER OF HOLES: 22		HOLE DIA: 3 3/4 B	ıs 36" x	STEMMING: 5	DEPTH: 31-3		
UMBER OF HOLES: 707					DEPTH:		
OWDER FACTOR: NA		LBS. OF EXPLOSIVES:		YARDS OF ROCK: A A			
/EATHER:				WIND:			
XACT MONITOR LOCATION(GF	os): NA	DIRECTIO	N OF BLAST:	MONITOR TYPE:			
IONITOR: L/R	тv	PVSDb		MONITOR SERIAL NO.:			
ISTANCE TO BLAST:							
ISTANCE TO BLAST:		AVERAGE POUNDS PER HOI		OPERATOR:			
		EVDLOC	10 / 100				
		EXPLOS	IVES				
DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED		
LOCATION:	QUANTITY USED			REMOVED	RETURNED		
				REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO	Lbs	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N	Lbs Bags			REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANCTEUR	Lbs Bags 207 th ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETEUR POWDER	Lbs Bags 207 tea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETE III Ib. BOOSTER Ib. BOOSTER	Lbs Bags 207 ^{tot} ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETE B POWDER Ib. BOOSTER Ib. BOOSTER	Lbs Bags 207 ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETE III Ib. BOOSTER Ib. BOOSTER	Lbs Bags 207 ^{tot} ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETEUB POWDER Ib. BOOSTER Ib. BOOSTER Id. To 9 ft.	Lbs Bags 207 = ea. ea. ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SZNETE B POWDER Ib. BOOSTER Ib. BOOSTER If. TO 9 ft.	Lbs Bags 207 ea. ea. ea. ea. ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETE IB. BOOSTER Ib. BOOSTER Ib. BOOSTER If. ft. ft.	Lbs Bags 207 ea. ea. ea. ea. ea. ea. ea. ea. ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETEUS POWDER Ib. BOOSTER Ib. BOOSTER If. To 9 ft. ft. ft. ft.	Lbs Bags 207	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SZHETZY POWDER Ib. BOOSTER Ib. BOOSTER It. TO 9 ft. ft. ft. ft. ft.	Lbs Bags 207 ea.	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SZHETZY POWDER Ib. BOOSTER Ib. BOOSTER It. TO 9 ft. ft. ft. ft. ft.	Lbs Bags 207	DATE CODE		REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SZHETZY POWDER Ib. BOOSTER Ib. BOOSTER It. TO 9 ft. ft. ft. ft. ft.	Lbs Bags 207 ea.	DATE CODE	MAGAZINE	REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SAMPTENS POWDER Ib. BOOSTER Ib. BOOSTER It. ft. ft. ft. ft. ft. ft. ft.	Lbs Bags 207 ea.	0091119 31-MY0484	MAGAZINE	REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETE III POWDER Ib. BOOSTER Ib. BOOSTER It. ft. ft. ft. ft. ft. ft. grain cord Grain cord	Lbs Bags 207 ea.	3) MY0484 290C0774	MAGAZINE	REMOVED	RETURNED		
LOCATION: BULK A/N BAG ANFO POWDER SANETEUS POWDER Ib. BOOSTER Ib. BOOSTER It. To 9 It.	Lbs Bags 207 ea.	3) MY0484 290C0774	MAGAZINE	REMOVED	RETURNED		

THIS FORM MUST BE FILLED OUT COMPLETELY

Revised 03/04



Western States Drilling Blasting Drill Log

	Shot #: <u>///</u> Drill #					Date: 7-22-10 Driller Name Buck 80064	18
Г		P=Production	Fall	T T	0	0.5:15lope	. 9
		S=Presplit			Voids at	o.g. 1 stope	
China Market		E=Explore	Depth	Depth to	What		
	Hole#	B=Bolders ✓	Drilled	Rock	Depth	Notes W=Water	
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A -		5 31	31	//		1317 +75 4 arm 27 50 Frock	
//>	2	5 31	32	6		20 Resoft rock 2 brown 4 hard r	201
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22-12	13	33	33'	7	Net Ve	20 hard rock 6 soft red rout	
	14	33	32	10'		13 hard rock 10' red soft rock	
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Check List

Date July 26, 2010

Job Number <u>WS\$20015</u>

Shot Number # W.5 11

1. BEFORE BLASTING	2. DURING LOADING	4. AFTER DETONATION
NOTIFICATION Fire Department Utilities Businesses & Home Owners Seismograph Tech Other (List) MATERIAL & EQUIPMENT Adequate Stemming Material Warning Signs Warning Signals Safe Amount of Lead Line Seismograph Paper, Pens, etc. Fire Extinguishers (charged) Adequate Blasting Shelter Mats (If Applicable)	CONSTANT CHECKS Explosives Running Inventory Access Row Empty Drills & Traffic 50' Away Shot can be fired in case of emergency All Holes to be checked & approved Blaster initial Supt initial 3. DETONATION HOOK - UP All Unnecessary Crew Cleared All Holes Loaded & Stemmed Hand Check tubing Before Each Connection Visually Insured That Each Connection is Snapped	POST BLAST CHECK Waited for Dust & Funes to Dissipate Walked Entire Area of Shot Insured that tail Surface Delays Fired at the End of Each Row Sounded All Clear Signal LEGAL DOCUMENTATION Completed Shot Report Diagramed Shot w/ Seismograph Location (Direction & Distance) NA Recorded Seismic Results on Blast Report Final Inventory of Explosives Recorded Ticket Number Assigned By Job Supervisor Signed Blast Report w/ License No.
SHOT DESIGN Pattern OK for Area Sufficient Burden to Face Reviewed drill logs Measured Depth, Burden & & Spacing Shot Area Posted & Secure Shot Diagramed on Back	SECURE AREA Set up Seismograph Est. Checkpoints at Each Access Radio Communication with Checkpoints. Cleared People, Vehicles & Equipment Visual Coverage of Entire Site Five Minute Warning One Minute Warning	Supt has checked and verified that all has been completed and shot area is ready for loading Supt initial